



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/732,847
Source: OLPE
Date Processed by STIC: 12/29/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



OIPE

RAW SEQUENCE LISTING

DATE: 12/29/2003

PATENT APPLICATION: US/10/732,847

TIME: 08:25:13

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\12292003\J732847.raw

4 <110> APPLICANT: GRIBBEN, JOHN G.
 5 FREEMAN, GORDON J.
 6 NADLER, LEE M.
 7 RENNERT, PAUL
 8 JELLIS, CINDY L.
 9 GREENFIELD, EDWARD
 10 GRAY, GARY S.
 12 <120> TITLE OF INVENTION: METHODS OF INHIBITING T CELL
 13 PROLIFERATION OR IL-2 ACCUMULATION WITH CTLA-4
 14 SPECIFIC ANTIBODIES (AS AMENDED)
 17 <130> FILE REFERENCE: RPI-016CPA2DV
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/732,847
 C--> 19 <141> CURRENT FILING DATE: 2003-12-09
 19 <150> PRIOR APPLICATION NUMBER: 08/253783
 20 <151> PRIOR FILING DATE: 2000-09-20
 22 <160> NUMBER OF SEQ ID NOS: 39
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 39
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Peptide - Invalid Response
 34 <400> SEQUENCE: 1
 35 catgaagctt ctgagccgc caccatggct tgccttgga 39
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 40
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: Peptide - Invalid Response
 45 <400> SEQUENCE: 2
 46 gagaattcta gactagctta agtcagaatc tgggcacggt 40
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 20
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Peptide - Invalid Response
 56 <400> SEQUENCE: 3
 57 Arg Tyr Leu Thr Pro Pro Thr Thr Leu Ser Arg Pro Val Ser Gln Asn
 58 1 5 10 15
 59 Ser Ala Arg Thr

Does Not Comply
Corrected Diskette Needed

(pg. 1-5)

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Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\12292003\J732847.raw

60 20
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 20
65 <212> TYPE: PRT
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Peptide - same error
71 <400> SEQUENCE: 4
72 Arg Asp Val Thr Leu Ala Ala Pro Phe Phe Ile Gly Gly Pro Pro Ala
73 1 5 10 15
74 Thr Val His Thr
75 20
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 20
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Peptide - same error
86 <400> SEQUENCE: 5
87 Asp Glu Val Ser Ala Ala Ser Trp Pro Pro Tyr Tyr Ile Trp Glu Arg
88 1 5 10 15
89 Val Pro His Ala
90 20
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 20
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Peptide - same error
101 <400> SEQUENCE: 6
102 Leu Arg Pro Thr His Gln Phe Leu Pro Ala Tyr Tyr Leu Ser Asn Arg
103 1 5 10 15
104 Gln Leu Ser Leu
105 20
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 20
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Peptide - same error
116 <400> SEQUENCE: 7
117 His Phe Asp Tyr Met Ile Arg Asn Arg Thr Pro Tyr Tyr Gln Trp Pro
118 1 5 10 15
119 Thr Val Gly Gln
120 20
123 <210> SEQ ID NO: 8
124 <211> LENGTH: 20
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence

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128 <220> FEATURE:
 129 <223> OTHER INFORMATION: Peptide - Same error
 131 <400> SEQUENCE: 8
 132 Arg Asp Arg Thr Gly Ala Val Val Gly Thr Gln Pro Pro Tyr Trp Leu
 133 1 5 10 15
 134 Gly Ala Phe Arg
 135 20
 138 <210> SEQ ID NO: 9
 139 <211> LENGTH: 20
 140 <212> TYPE: PRT
 141 <213> ORGANISM: Artificial Sequence
 143 <220> FEATURE:
 144 <223> OTHER INFORMATION: Peptide - Same error
 146 <400> SEQUENCE: 9
 147 Gly Phe Trp Gly Met Glu His Asn Leu Thr Thr Gly Leu Ser Pro Thr
 148 1 5 10 15
 149 Trp Tyr Leu Lys
 150 20
 153 <210> SEQ ID NO: 10
 154 <211> LENGTH: 20
 155 <212> TYPE: PRT
 156 <213> ORGANISM: Artificial Sequence
 158 <220> FEATURE:
 159 <223> OTHER INFORMATION: Peptide - Same error
 161 <400> SEQUENCE: 10
 162 Ser Trp Asn Leu Arg Ser Leu Pro Asp Gln Pro Ile Gly Ser Pro Pro
 163 1 5 10 15
 164 Pro Tyr Trp Leu
 165 20
 168 <210> SEQ ID NO: 11
 169 <211> LENGTH: 20
 170 <212> TYPE: PRT
 171 <213> ORGANISM: Artificial Sequence
 173 <220> FEATURE:
 174 <223> OTHER INFORMATION: Peptide - Same error
 176 <400> SEQUENCE: 11
 177 Phe Ala Phe Lys Leu Gly Gly Asn Gly Leu Gly Gly Ala Thr Tyr Pro
 178 1 5 10 15
 179 Pro Tyr Phe Ile
 180 20
 183 <210> SEQ ID NO: 12
 184 <211> LENGTH: 5
 185 <212> TYPE: PRT
 186 <213> ORGANISM: Artificial Sequence
 188 <220> FEATURE:
 189 <221> NAME/KEY: VARIANT
 190 <222> LOCATION: 5
 191 <223> OTHER INFORMATION: Xaa = Any Amino Acid
 193 <223> OTHER INFORMATION: Peptide - Same error

RAW SEQUENCE LISTING

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Input Set : A:\Seqlist.txt

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W--> 195 <400> 12

W--> 196 Pro Pro Tyr Tyr Xaa

197 1 5
200 <210> SEQ ID NO: 13

201 <211> LENGTH: 5

202 <212> TYPE: PRT

203 <213> ORGANISM: Artificial Sequence

205 <220> FEATURE:

206 <223> OTHER INFORMATION: Peptide

208 <400> SEQUENCE: 13

209 Pro Pro Tyr Tyr Leu

210 1 5

213 <210> SEQ ID NO: 14

214 <211> LENGTH: 20

215 <212> TYPE: PRT

216 <213> ORGANISM: Artificial Sequence

218 <220> FEATURE:

219 <223> OTHER INFORMATION: Peptide

221 <400> SEQUENCE: 14

222 Lys Val Glu Leu Met Tyr Pro Pro Tyr Tyr Leu Gly Ile Gly Asn

223 1 5 10 15

224 Gly Thr Gly Gly

225 20

228 <210> SEQ ID NO: 15

229 <211> LENGTH: 20

230 <212> TYPE: PRT

231 <213> ORGANISM: Artificial Sequence

233 <220> FEATURE:

234 <223> OTHER INFORMATION: Peptide

236 <400> SEQUENCE: 15

237 Gly Gly Leu Val Met Ile Glu Arg Phe Asn Lys Leu Glu Leu Thr Trp

238 1 5 10 15

239 Ala Asp Asp Asp

240 20

243 <210> SEQ ID NO: 16

244 <211> LENGTH: 20

245 <212> TYPE: PRT

246 <213> ORGANISM: Artificial Sequence

248 <220> FEATURE:

249 <223> OTHER INFORMATION: Peptide

251 <400> SEQUENCE: 16

252 Val Cys Ala Leu Pro Asp Val Gly Tyr Glu Phe Leu Thr Ser Asn Ala

253 1 5 10 15

254 Asp Glu Pro Cys

255 20

258 <210> SEQ ID NO: 17

259 <211> LENGTH: 20

260 <212> TYPE: PRT

261 <213> ORGANISM: Artificial Sequence

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Input Set : A:\Seqlist.txt

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263 <220> FEATURE:
264 <223> OTHER INFORMATION: Peptide *Same error*
266 <400> SEQUENCE: 17
267 Tyr Leu Ala Asn His Phe Gly Trp Thr Ser Met Val Trp Asp Ala Asp
268 1 5 10 15
269 Asp Thr Gly His
270 20
273 <210> SEQ ID NO: 18
274 <211> LENGTH: 20
275 <212> TYPE: PRT
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Peptide *Same error*
281 <400> SEQUENCE: 18
282 Arg Asn Trp Ala Arg Arg Thr Ser Asn Leu Ser Trp Asp Gly Asp Asp
283 1 5 10 15
284 Gly Ser Arg Gly
285 20
288 <210> SEQ ID NO: 19
289 <211> LENGTH: 20
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Peptide *Same error*
296 <400> SEQUENCE: 19
297 Thr Ala Glu Arg Cys Val Ser Leu Thr Trp Asn Asp Asp Thr Cys Asp
298 1 5 10 15
299 Leu Thr Gly Ala
300 20
303 <210> SEQ ID NO: 20
304 <211> LENGTH: 20
305 <212> TYPE: PRT
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Peptide *Same error*
311 <400> SEQUENCE: 20
312 Phe Gly Leu Gln Ser Leu Cys Trp Glu Glu Asp Ala Gly Leu Val Phe
313 1 5 10 15
314 Gly Gln Asp Ser
315 20
318 <210> SEQ ID NO: 21
319 <211> LENGTH: 20
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Peptide *Same error*
326 <400> SEQUENCE: 21
327 Asn Lys Glu Ser Leu Asn Trp Ala Asp Glu Leu Val Arg Lys Asp Pro
328 1 5 10 15

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/732,847

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Input Set : A:\Seqlist.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; Xaa Pos. 5 ✓
Seq#:33; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,27,28
Seq#:33; Xaa Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46
Seq#:34; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,26,27
Seq#:34; Xaa Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/732,847

DATE: 12/29/2003

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Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\12292003\J732847.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:195 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:502 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
M:341 Repeated in SeqNo=33
L:525 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
M:341 Repeated in SeqNo=34